Python Machine learning Labs

Good morning! We Hart at 10:00

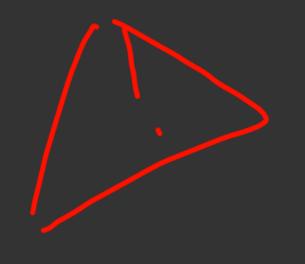
Machine learning Pipeline Problem ___ FDA -- FE- Nodeling -> Fine -Statement

Polass Encoding 70195

Dataframe Concatenation

Row-wire (slumm-wise

Kow- Wile



Dataset Splitting (1)

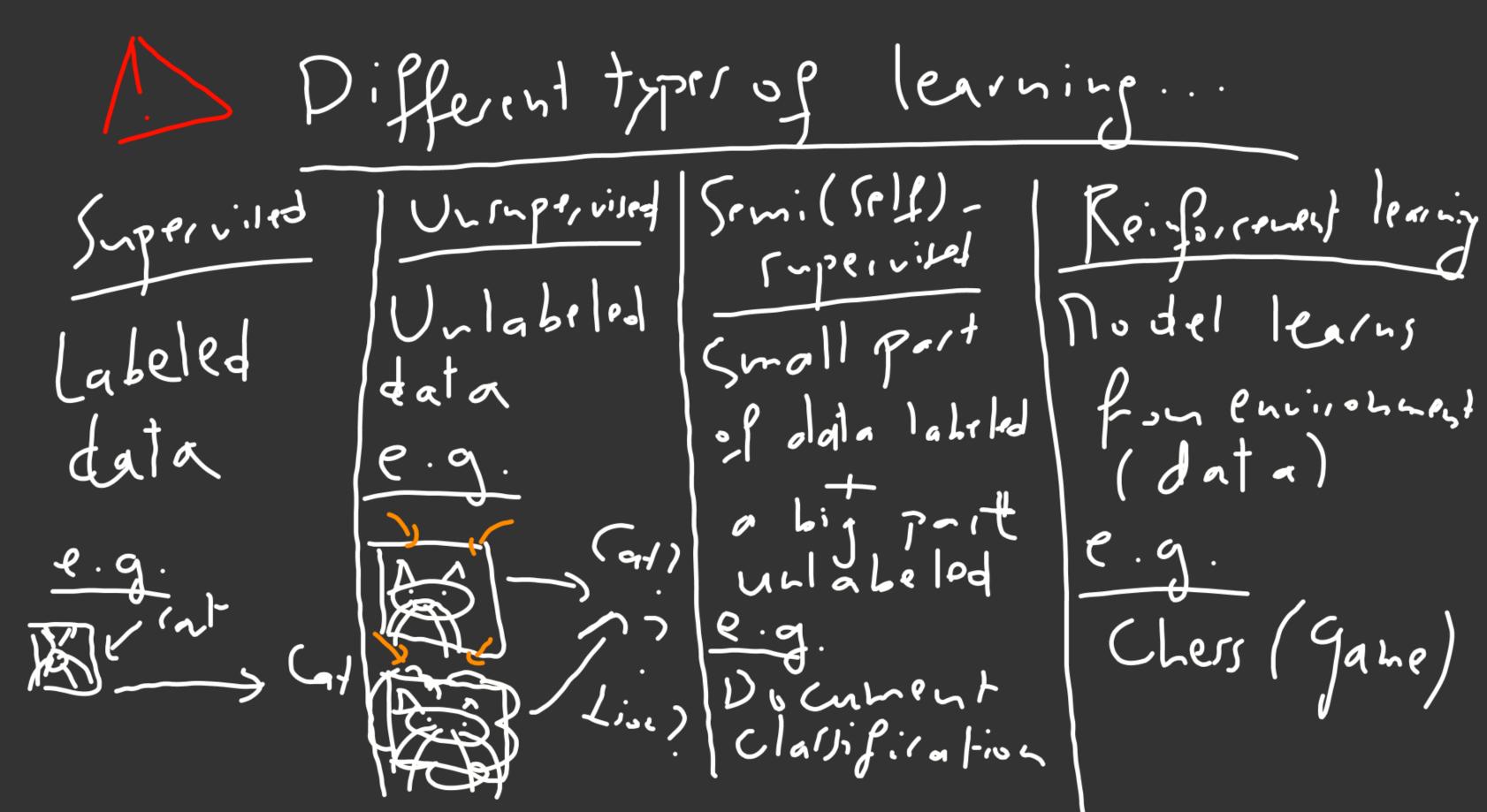
Dataset

75-80%

Test 20-25% - Trainset Data Splitting (2) Test set a 17

Data Splitting (3)U:~~ est 1/014

Break Back at 11:45



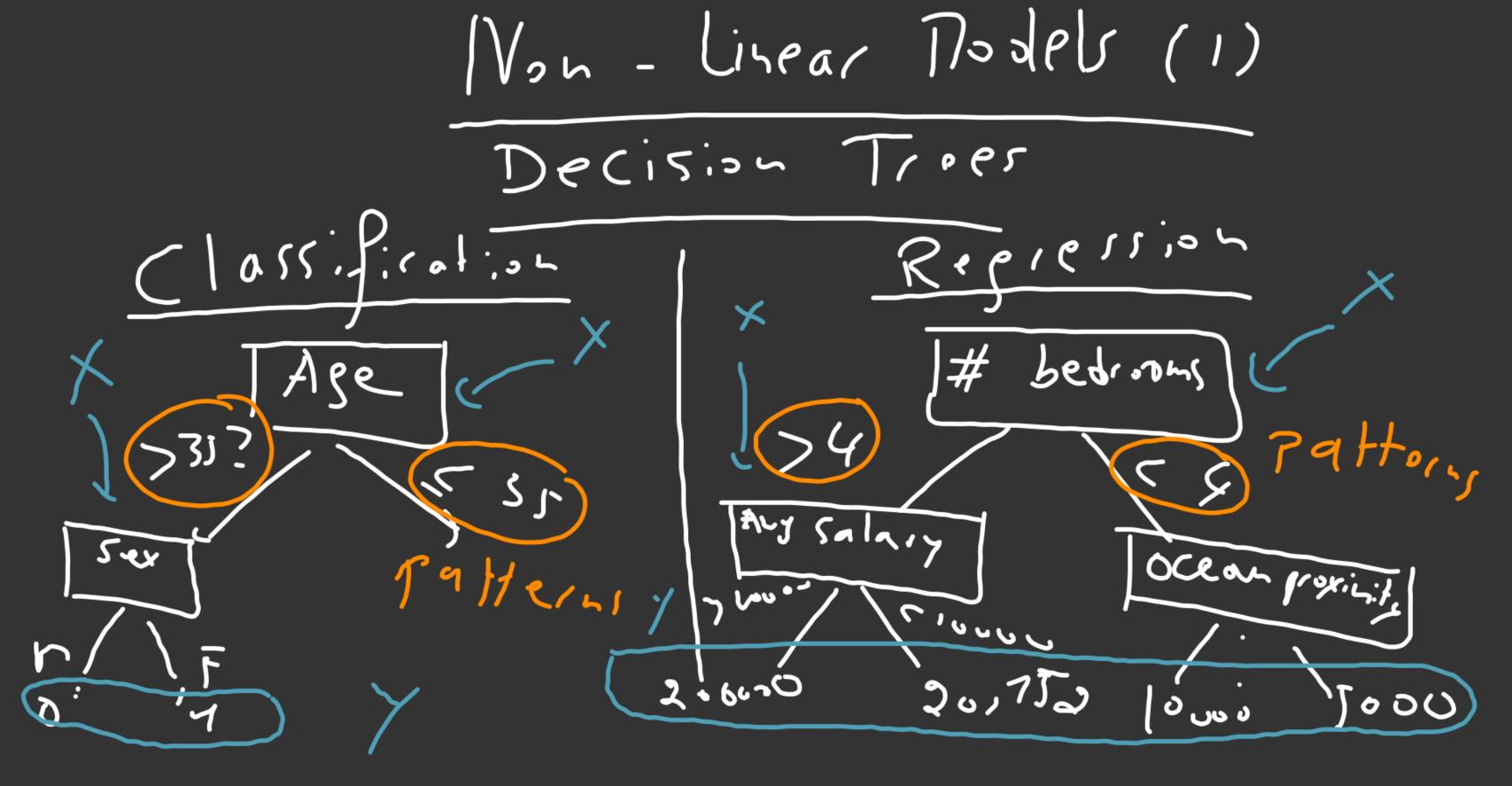
Data Distibutions

Linear Models

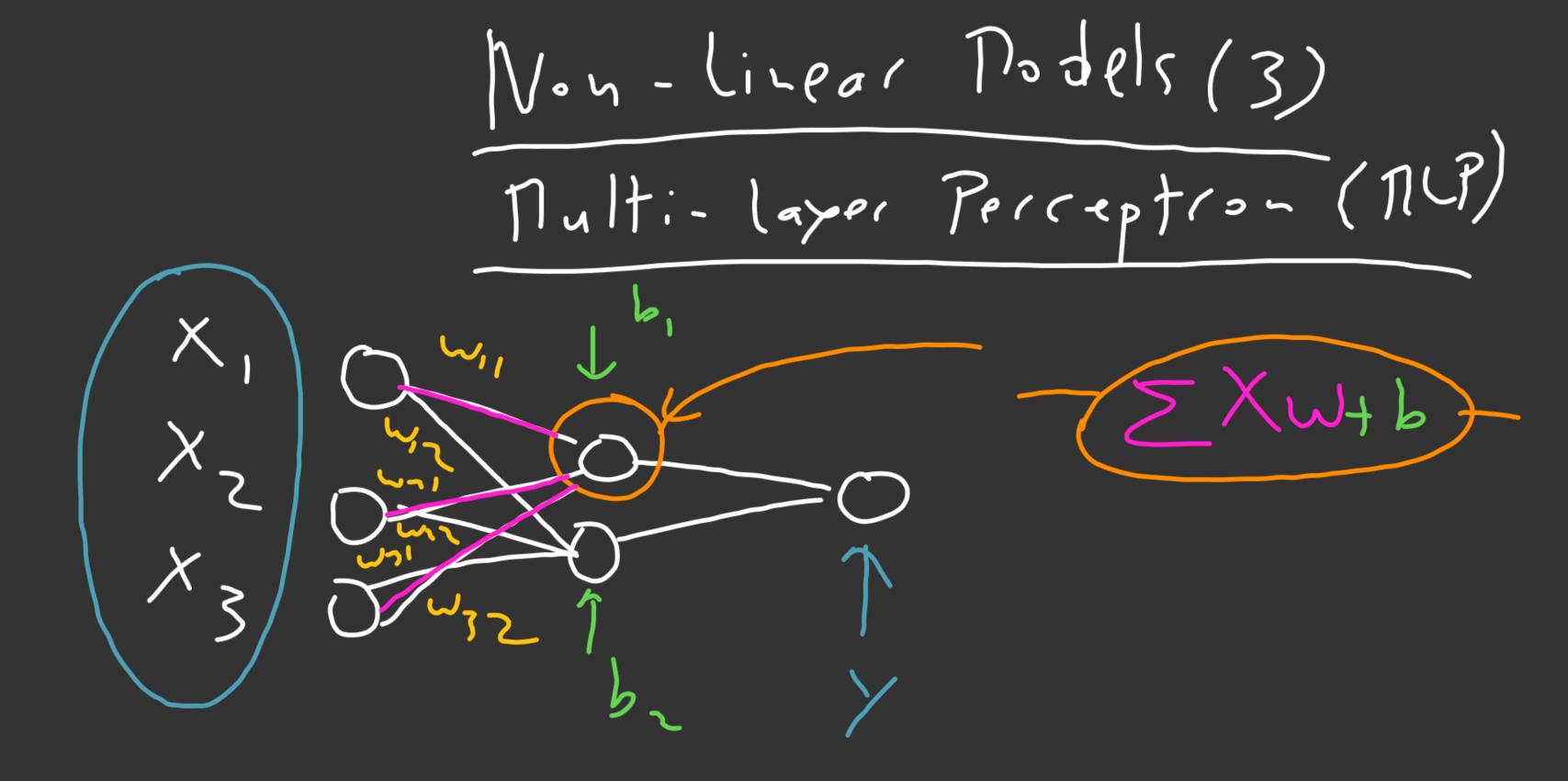
Regression Classification Lopistic Roprelsion

Lunch

Back at 14:00



Non-linear Models (2) Rondom



Randon State in M Podels

L. Milt: C Reglessian) (ase 2 (R L 2) (ase 1 (?...) y = 0.499 $y = 0.5 \rightarrow class 0$ $y = 0.5 \rightarrow class 1$

Break
Back at 15:05

Podel Evalnation (1) Data(rt N -) 90.1. Ac(u(a(x= 30./.

Model Evaluation (2) Classification 0 1 (r.s.t.ve)
7 - 1 (class)

Model Evaluation (3) Recal Precisio

Podel Evaluation (4) F1-50018= PIRR (classification)

Podel Evaluation (5) RDSE=214-7)

Dodeling Phase Select models Elalhate (o mpare Interpreh (Analyze)

Fine-Tuning Phase - Changing model = - Change Features - Charpe data